

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please cancel Claims 1-26 and 31-65, without prejudice.

1-26 (Canceled)

27. (Currently Amended) A manual closed blood collection system comprising

- a primary container sized and configured to hold a unit of whole blood drawn from an individual donor for centrifugal separation,
- a platelet unit container sized and configured to hold a platelet concentrate and a first volume of plasma centrifugally separated from the unit of whole blood,
- a plasma unit container sized and configured to hold a second volume of plasma centrifugally separated from the unit of whole blood,
- an auxiliary container,
- a synthetic platelet additive solution carried within the auxiliary container in an at least an amount sufficient for mixing with the platelet concentrate and first volume of plasma to achieve a predetermined ratio of additive solution and plasma and provide a platelet concentrate mixture conditioned for a pathogen inactivation treatment,
- the synthetic platelet additive solution comprising an aqueous solution comprising sodium chloride, sodium citrate, sodium acetate, and sodium phosphate for conditioning the platelet concentrate mixture for pathogen inactivation in the presence of a selected pathogen inactivating compound selected from a group comprising psoralens, methylene blue, dimethyl-methylene blue, riboflavin, or PEN 110, or combinations thereof, tubing integrally coupling the primary container, the platelet unit

container, the plasma unit container, and the auxiliary container to form a sterile, closed blood processing system,

an in-line filter to remove leukocytes from ~~platelets~~ a blood component separated from whole blood carried by said tubing, and

a filter by-pass branch extending around said filter; and

a one-way valve provided in said by-pass branch.

28. (Original) A manual blood collection system according to claim 27

wherein, after processing in the sterile, closed blood processing system, the platelet concentrate mixture is held by the platelet unit container.

29. (Previously Presented) A manual blood collection system according to claim 28

wherein the platelet unit container comprises an appendage coupled to transfer tubing to transfer the platelet concentrate mixture from the platelet unit container to a selected destination.

30. (Original) A manual blood collection system according to claim 29

wherein the appendage couples to the transfer tubing to form an essentially sterile connection.

31-65 (Canceled)